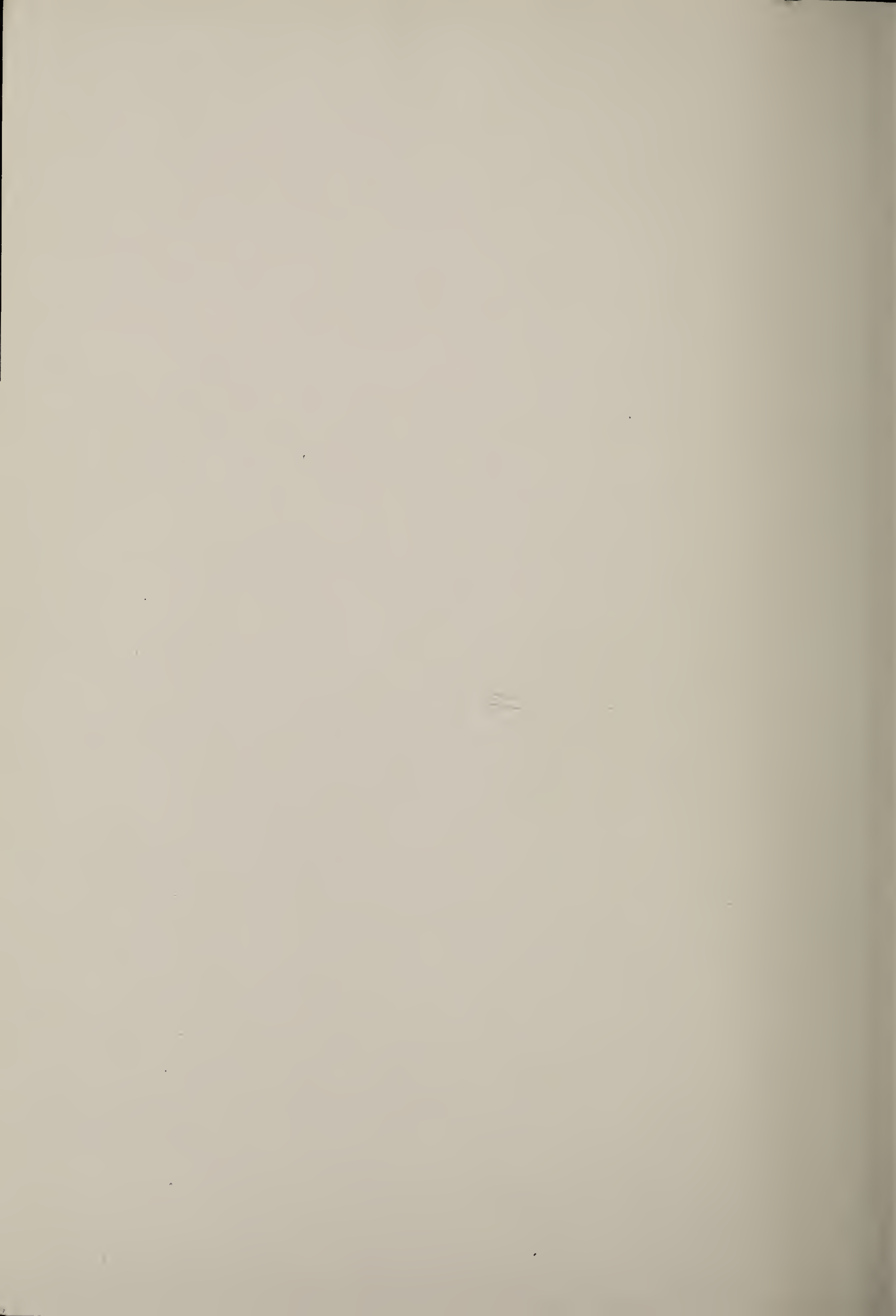


SANTA CLARA

**GRADUATE SCHOOL
HUMANITIES**

**1975-76
BULLETIN**



UNIVERSITY OF SANTA CLARA

GRADUATE SCHOOL OF HUMANITIES 1975-76





CONTENTS

Graduate Humanities Calendar	4-5
Historical Perspective	7
Campus Location	8
Campus Map	10
University Statement of Purpose	9
The Graduate School of the College of Humanities	12
Counseling Services	12
Student Housing	12
Summer Session	13
University Accreditation and Memberships	13
Rights Reserved	13
Graduate Programs Admission Information	14
Transferral of Credit	15
Leave of Absence or Withdrawal	15
General Degree Requirements	16
Tuition and Fees	17
Financial Aids	17
The Teacher Education Program	19
Master of Arts in Education	24
English	25
History	25
Special Education	25
Reading	26
Master of Arts in Counseling Psychology	28
Master of Arts in Marriage, Family and Child Counseling	29
Master of Science in Teaching Mathematics	32
Master of Arts in English	32
Master of Arts in History	32
Course Descriptions	
Education	34
English	42
History	46
Mathematics	52
University Officers	55
Board of Trustees	55
Administrative Staff	55
Graduate School of Humanities	56
Faculty	57
Faculty Affairs Board	62
Faculty Grievance Committee	62
Index	63

GRADUATE SCHOOL OF HUMANITIES CALENDAR 1975-76* +

Fall Quarter

September 24	Wednesday	Registration.
September 25	Thursday	Instruction begins.
October 10	Friday	Last day to file for candidacy for graduate Humanities degrees to be conferred December 1975.
November 27-28	Thursday-Friday	Thanksgiving holidays.
December 8-12	Monday-Friday	Quarter examinations.
December 15 to January 4	Monday-Sunday	Christmas holidays.
December 16	Tuesday	Quarter grades due.

Winter Quarter

January 5	Monday	Registration.
January 6	Tuesday	Instruction begins.
February 16	Monday	George Washington holiday.
February 23	Monday	Last day to file candidacy for graduate Humanities degrees to be conferred in June, 1975.
March 16-20	Wednesday-Saturday	Quarter Examinations.
March 22-26	Monday-Friday	Spring holidays.
March 23	Tuesday	Quarter grades due.

Spring Quarter

March 29	Monday	Registration.
March 30	Tuesday	Instruction begins.
April 8	Thursday	Last day for filing with the Committee final draft of theses for degrees to be conferred June, 1976.
April 16	Friday	Good Friday religious holiday.
May 28	Friday	Final grades for graduation candidates due.
May 31	Monday	Memorial Day holiday.
June 9-12	Wednesday-Saturday	Quarter examinations.
June 13	Sunday	125th Commencement.
June 15	Tuesday	Quarter grades due.

*All dates are inclusive dates.

+ Graduate students taking undergraduate courses follow the undergraduate calendar.

Summer Session

June 21	Monday.....	Summer session begins.
July 5	Monday.....	Independence Day holiday.
July 30	Friday.....	Summer session ends.



1975

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1976

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HISTORICAL PERSPECTIVE

On January 12, 1777, six months after the signing of the Declaration of Independence, a cross was planted at a site in the present city of Santa Clara by a Franciscan Padre, Tomas de la Pena, to mark the founding of the eighth of California's original twenty-one missions, Santa Clara de Assis.

Three quarters of a century elapsed before the University of Santa Clara or Santa Clara College as it was first known, opened its doors as an institution of higher learning. In the intervening years, however, the Mission served as a spiritual center and school for the Indians.

In 1851, the new Dominican bishop of San Francisco, Joseph Sadoc Alemany, asked the Jesuit Father John Nobili, formerly of the Oregon Missions, to begin a college at the Mission of Santa Clara. During the first academic year, 1851-52, Father Nobili and a faculty of three other Jesuit priests and four competent lay professors gave instruction to twenty-six students in arts, sciences, music and drama.

April 28, 1855, Santa Clara College received its charter from the State of California.* Slow but steady growth followed and distinguished graduates became prominent members of California life. However, it was not until the Schools of Law and Engineering were founded in 1912 and the courses in the Humanities and Sciences were expanded that the College became the University of Santa Clara.

Meeting the demands of urban growth in the Santa Clara Valley, the courses in commerce and finance were likewise amplified in 1926 and the University's School of Business Administration began. The Graduate School of Business and Administration was started in 1958 in recognition of the continuing important growth of the region as a business and financial center.

From the 1930's through World War II, the University's enrollment was relatively stable. With the return of many war veterans came an enlarged student body, new resources and an expanded curriculum that led Santa Clara into a new era of rapid growth and development.

From the post-war period to the present, the face of the campus has been changing and expanding. Thanks to the generous support of many friends, nineteen buildings have been added and, today, three new facilities—the Louis B. Mayer Theatre, Student Activities Center and Cowell Student Health Center—are scheduled for completion in mid-1975.

In 1961 the University announced a major change in policy and accepted women students for the first time in its 110 year history and quickly became fully coeducational.

Although the student body has grown rapidly in the past decade, it has been held at a relatively small size—3200 undergraduates and 3400 graduate and law students.

In the same decade the number of courses taught has more than doubled and there has been a proliferation of opportunities for individual study and research, including off-campus work/study programs.

*THE UNIVERSITY'S LEGAL NAME is: *The President and Board of Trustees of Santa Clara College* to which should be added, *A Corporation, located at Santa Clara, California*. For the information of individual, corporation and foundation donors who wish the tax-benefits of their gifts and grants, the University is classified by the Internal Revenue Service as a 501(c) (3) (ii) tax-exempt organization and also as not a private foundation under Section 509(a) of the IRS code.

In 1964 the University adopted an academic plan and calendar which divides the school year into three eleven-week terms and limits the number of courses a student may take to three or four in each quarter period.

As an independent, tuition and gift supported university, Santa Clara has been able to accomplish change in ways that reflect its traditional concern for the individual student and for values in education.

LOCATION

The University of Santa Clara is 46 miles from San Francisco near the southern tip of the Bay in an area that is rich in opportunities for learning. The campus is situated in the midst of one of the nation's great concentrations of high-technology industry and of professional and scientific activity. Many nearby firms and social agencies are world leaders in the search for solutions to man's most critical problems. The cultural and entertainment centers of San Francisco, Berkeley, Oakland and Marin County are within one hour's travel by bus, train or car. In the opposite direction, about thirty minutes away, are the beaches of Santa Cruz on the Pacific Ocean, and less than two-hours drive from the campus is world-famous Monterey Peninsula and Carmel.

The University is accessible by major airlines via San Jose Municipal Airport just three miles away and via San Francisco and Oakland International Airports.

Climate

Santa Clara has a moderate Mediterranean climate. Over a period of 67 years the average maximum temperature was 71.4° and the average minimum 41.6°. The sun shines an average of 293 days a year and the average annual rainfall is about 15 inches.



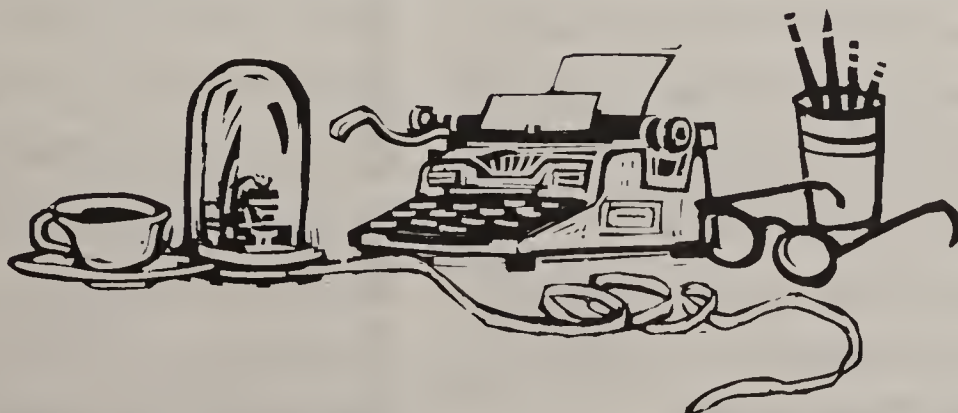
A STATEMENT OF PURPOSE

Inspired by the love of God through human service and the desire to serve through education, begun by the Franciscans who founded Mission Santa Clara in 1777 and continued by the Jesuits who opened the College in 1851, the University of Santa Clara declares its purpose to be the education of the human person in the context of its Catholic and Jesuit tradition.

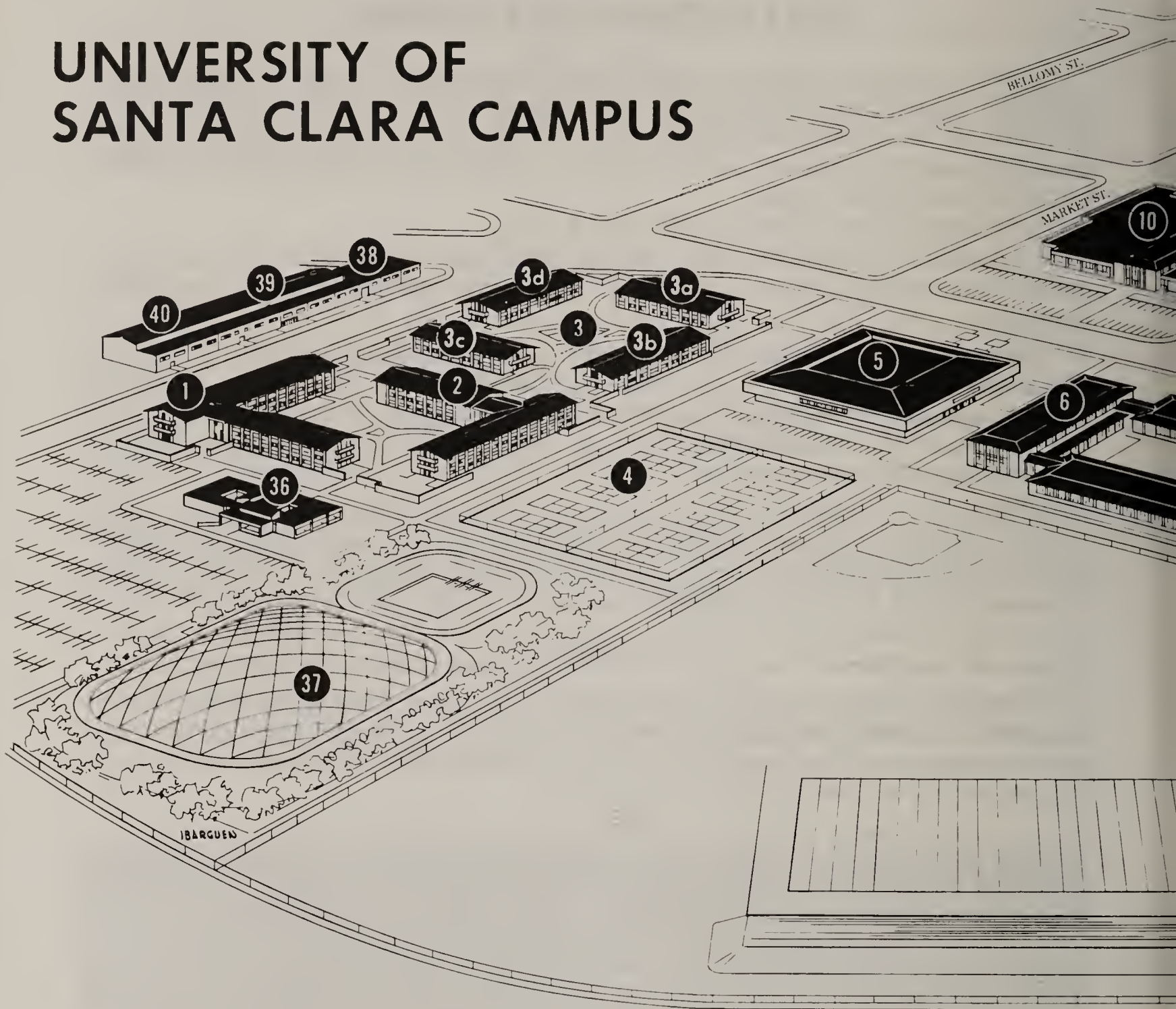
The University is thus dedicated to:

- the continuing development of a community of highly qualified scholars, teachers, students and administrators committed to an uncompromising standard of academic excellence;
- providing an education that, in its emphasis on undergraduate education and in its pursuit of selected high quality graduate and professional programs consonant with such an education, stresses the development of moral as well as intellectual values, and education of the whole person, an education constantly seeking to answer not only "what is" but "what should be";
- the continuing development of an academic community informed by Catholic principles, a community offering its members the opportunity for worship and for deepening their religious commitment, yet a community that is enriched by men and women of diverse religious and philosophical, as well as social and racial backgrounds, a community opposed to narrow indoctrination or proselytizing of any kind, a community wherein freedom of inquiry and freedom of expression enjoy the highest priority;
- offering an integrated curriculum designed not only to provide the scientific and humanistic knowledge necessary to enable students to develop fully as persons, but also to demonstrate the unity of all forms of knowledge and to enable students to assume roles of leadership in the modern world.
- encouragement of teaching excellence and of the scholarly research that promotes such excellence, of close student-teacher relationships, of experimental and innovative courses and teaching methods — courses and methods that not only stimulate the acquisition of knowledge, but the creative use of knowledge;
- the continuing development of an academic community in which students, teachers and administrators dedicated to academic freedom and united in the search for truth, are actively involved in formulating and implementing the University's policies.

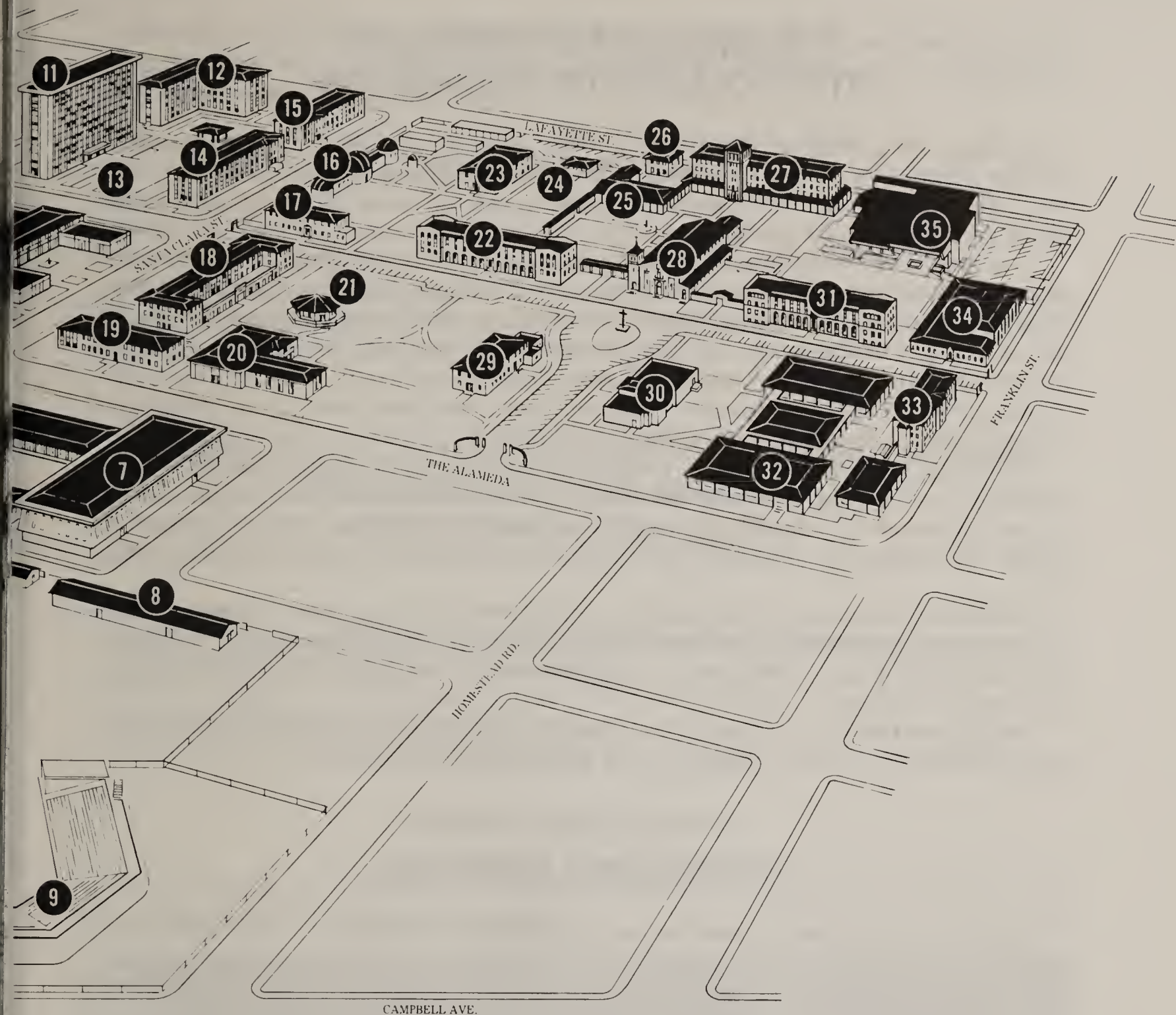
Board of Trustees
University of Santa Clara
January 22, 1975



UNIVERSITY OF SANTA CLARA CAMPUS



- | | |
|-------------------------------|-----------------------------------|
| ① Sanfilippo Residence Hall | ⑨ Buck Shaw Stadium |
| ② Campisi Residence Hall | ⑩ Benson Memorial Center |
| ③ Graham Residence Center | ⑪ Benjamin Swig Residence Hall |
| A Strub Hall C O'Neill Hall | ⑫ Dunne Residence Hall |
| B Swig Hall D Hancock Hall | ⑬ John Kennedy Mall |
| ④ Campus Tennis Courts | ⑭ McLaughlin Residence Hall |
| ⑤ Michel Orradre Library | ⑮ Walsh Residence Hall |
| ⑥ Sullivan Engineering Center | ⑯ Ricard Memorial Observatory |
| ⑦ Bannan Classroom Building | ⑰ Donohoe Infirmary |
| ⑧ Athletic Field House | ⑱ Kenna Hall - School of Business |



- | | |
|---|------------------------------------|
| 19 Bergin Hall - School of Law | 30 De Saisset Art Gallery & Museum |
| 20 Heafey Law Library | 31 O'Connor Hall |
| 21 Publications Center | 32 Daly Science Center |
| 22 St. Joseph's Hall - Jesuit Residence | 33 Alumni Science Hall |
| 23 Varsi Hall | 34 Seifert Gymnasium |
| 24 Restrooms | 35 Mayer Theatre |
| 25 Adobe Lodge - Faculty Club | 36 Cowell Student Health Center |
| 26 Service Building | 37 Student Activities Center |
| 27 Nobili Hall | 38 Fine Arts |
| 28 Mission Santa Clara | 39 Ballet |
| 29 Walsh Administration Building | 40 Music |

THE GRADUATE SCHOOL OF THE COLLEGE OF HUMANITIES

Although the College of Humanities of the University of Santa Clara considers its primary purpose to be that of providing the very best liberal education for the undergraduate student, it also recognizes the growing need in society for advanced professional and graduate degrees.

Graduate study, therefore, in the College of Humanities is designed to qualify candidates for a California Teaching Credential, the Credential with specialization in Pupil Personnel Service, the Master of Arts in Education, the Master of Science degree in the Teaching of Mathematics, and the Master of Arts in English, in History, in Counseling Psychology and in Marriage and Family Counseling.

The Master of Arts in Education includes specialized programs in the teaching of English, History, Reading, and in Special Education.

The Master of Arts programs in English and in History are designed to provide the candidates with a comprehensive knowledge of their subject fields and to instruct them in the techniques of scholarly research. Successful candidates ordinarily proceed to faculty appointments in the community college or to doctoral studies at another institution.

The Master of Science in the Teaching of Mathematics is a program offered conjointly by the departments of Education and Mathematics and is designed for both prospective and experienced teachers of Mathematics in secondary education and in community colleges.

The Master of Arts in Counseling Psychology and in Marriage and Family Counseling are specialized programs offered by the Department of Education.

COUNSELING SERVICES

A variety of counseling services are conveniently available to all students. The University Chaplain and his assistants provide religious guidance in personal interviews. The deans of the Colleges and Schools and the professors of the student's major department usually provide for the academic counseling of the students.

The University Counseling Center is complementary to, and supportive of, the total university counseling, guidance and advisement effort. A professional staff of psychologists and guidance specialists is available to aid the students in dealing with academic, occupational planning, and personal-social problems which may confront them as maturing men and women. Counseling and testing procedures are used that are appropriate to the student's needs. The fundamental objective of these services is to enable the student to use his own resources in dealing with the problems he confronts.

STUDENT HOUSING

The University maintains twelve dormitories for undergraduate students living on campus. These provide as homelike an atmosphere as possible within the framework of the University's educational requirements.

Dormitory space is open to graduate students only on a space-available basis after undergraduate requirements have been met. Inquiries should be sent to: Director of Housing, University of Santa Clara.

SUMMER SESSION

Graduate-level summer courses in the College of Humanities are offered by the Departments of Education, History, English, and Mathematics.

Institutes and workshops of one to seven weeks duration are presented in education, counseling, writing, mathematics, political and social science. These are of particular value to teachers and graduate students.

Further information may be obtained from the Summer Session Office.

UNIVERSITY ACCREDITATIONS AND MEMBERSHIPS PERTINENT TO THE GRADUATE SCHOOL OF HUMANITIES

Accredited by the Western Association of Schools and Colleges

Member American Council on Education

Member Council of Graduate Schools in the United States

Member Association of American Colleges

Accredited by the California State Board of Education

RIGHTS RESERVED

The curriculum and regulations affecting students may be revised at any time at the discretion of the University administration.



Graduate Programs Admissions Information

GENERAL ADMISSION REQUIREMENTS

Admission to the Graduate Division of the College of Humanities is open to students who hold a bachelor's degree from an accredited institution of higher learning, who have demonstrated superior scholastic aptitude, and who have given evidence of good citizenship and of moral character. All applicants must have had at least a "B" average in their undergraduate work.

A substantial amount of previous graduate work with a 3.00 grade point average will in certain cases compensate for a grade point deficiency in undergraduate work.

A student who has been disqualified in any college or school of the University of Santa Clara is ineligible for admission to the College of Humanities.

Foreign students must demonstrate ability to speak and write English fluently and correctly.

Evidence of good citizenship and moral integrity, if requested, is ordinarily provided by letters of recommendation. Such letters are not required of applicants holding a bachelor's degree from the University of Santa Clara.

Admissions Process

The applicant may file his application form at any time.

No action can be taken by the Committee on Admissions until official transcripts of the applicant's previous academic work have been received. Absolutely essential are transcripts from the institution which awarded the applicant his bachelor's degree and those from institutions in which the applicant has done graduate study. The applicant is responsible for seeing that these transcripts are sent directly to the Office of the Dean of Graduate School of Humanities.

Once the application form and transcripts have arrived, the Committee on Admissions will accept or reject the applicant. Notice is sent by mail at once. No specific reasons will be given in the case of rejection and no information will be given by telephone.

Non-matriculated or special students, i.e., those not seeking a degree from the University but wishing to take certain courses in the Graduate School, should file special admission forms in the Office of the Dean within one week before the beginning of the term. A five-dollar service fee will be charged to cover costs of keeping records.

ENTERING NEW COURSES

Students may enter a course for the first time only during the first week of classes of the term.

TRANSFERRAL OF CREDIT

Up to nine units (equivalent to three courses at Santa Clara) of graduate credit may be transferred from other accredited institutions of higher education to be applied toward the master's degree at the University of Santa Clara, providing the following stipulations are met:

- a) Grades of A or B must have been earned in the graduate courses that are being considered.
- b) Only those courses that could normally appear on the student's program contract at Santa Clara are eligible for transfer credit.
- c) Extension and Continuing Education credits are, under usual circumstances, ineligible for transfer credit. Workshops, weekend courses, and district in-service courses are ineligible for transfer credit.
- d) Only academic work is to be considered for transfer credit. Work experience, missionary experience, teaching experience, and similar experiences are not appropriate for granting graduate credit at Santa Clara.
- e) Graduate work that was completed five or more years prior to the date appearing on the student's program contract are, under usual circumstances, ineligible for transfer credit. At the advisor's discretion, a particular course that is five years or older may be required to be repeated.

LEAVE OF ABSENCE OR WITHDRAWAL

When a student withdraws from the University or from a class, he must fill out a Withdrawal Form and report to the Director of the Graduate Division. This cannot be done by mail or by telephone but must be done in person.

A matriculated student who interrupts his course of studies for up to one year need not re-apply on his return. *Summer session is not considered a "term."*

A matriculated student who interrupts his course of studies for more than one year must withdraw from the University. In order to return, he must file a new application form, but without fee. Such application forms should be filed at least one month before the term of registration.

Withdrawal forms are obtainable in the Office of the Registrar. Students who interrupt their course of studies and fail to file a withdrawal form are liable to be refused re-admission.

Non-matriculated or special students must file forms in the Office of the Dean each and every time they wish to register for a term.

INCOMPLETES

A student's work may be reported incomplete if, due to unavoidable circumstances, some essential portion of his work in the course remains unfinished after the final examination. An incomplete becomes a failure unless the unfinished work is completed to the satisfaction of the instructor within ~~one year~~ after the beginning of the next regular term.

15
leave as is
~~four weeks~~
as Undergrad

GENERAL REQUIREMENTS FOR A GRADUATE DEGREE

The minimum number of graduate quarter-units of credit required for the Master of Arts degree or for the Secondary Credential is 45. The maximum is 60. Course requirements are described under each program heading in the following pages.

For the Master of Arts degree, for the M.S.T.M. and for the Secondary Credential the candidate must maintain a 3.00 grade point average.

Any student receiving a grade of D or F or who fails to maintain the required grade point average will be disqualified.

No more than nine quarter-units of credit earned as a non-matriculated student may be applied toward a degree program.

No student will be permitted to carry more than 15 graduate quarter units in a single term. No student may carry more than nine quarter hours during the summer session at Santa Clara. Any student carrying less than nine quarter hours will be considered a part-time student.

All requirements for any degree must be completed within a five-year period.

CHALLENGING COURSES

Under certain conditions, with the approval of the instructor, program director, and dean, students may challenge a course. Credits earned by challenge, however, will not fulfill degree or credential requirements.

MARKING SYSTEM

A student's grade of scholarship is given according to the following marks:

A	Excellent	D	Inferior	P	Pass
B	Good	F	Failure	N/P	No credit
C+	Above Average	I	Incomplete	+	Credit
C	Satisfactory	W	Withdrawal	—	No credit

To determine a numerical average, 4 grade points are assigned for each A, 3 for a B, 2.5 for a C+, 2 for a C, 1 for a D, and 0 for an F. To arrive at the grade-point average, the total earned grade points are divided by the number of courses which have been undertaken. A C average is 2.0.



Financial Information

TUITION AND FEES

Application Charge \$20.00
This charge is to be sent with each application form and is not refundable.

Registration Fee 5.00
This fee is payable each quarter of registration regardless of the number of units for which the student is registered. The fee is not refundable.

Tuition, per graduate quarter unit 50.00
Tuition, per undergraduate term course 250.00
Graduation fee for those receiving the Master's Degree 25.00
Graduation fee for those receiving the teaching credential 15.00

Refund of Tuition

Any student withdrawing during the first week of the term; i.e., seven days after the first scheduled class meeting, will receive a refund of one-half of the tuition. No other refunds will be authorized. The date on which written notice of withdrawal is received by the Dean of the School of Humanities will determine the refund, not the date of last attendance by the student.

No refunds will be made by virtue of curtailment of services brought about as a result of strikes, acts of God, civil insurrection, riots or the threat thereof, or other causes beyond the control of the University.

Financial Aids

Financial assistance at the University of Santa Clara is awarded on the basis of demonstrated leadership and character, superior academic record, and financial need. Assistance generally is categorized as scholarships, loans, deferred payment plans and jobs.

Loans

Because scholarships and grants are limited, many students applying for aid find the most advantageous method of financing their education through a loan program. Among those available to students of the Graduate School of Humanities are the National Defense Student Loan program, United Student Aid Funds Inc., and Federally Insured Loans. Application forms and further information may be obtained from the Office of Financial Aids, University of Santa Clara.

Scholarships and Fellowships

California State Graduate Fellowships. California residents who have need of monetary assistance and who intend to teach in higher education are eligible. These scholarships pay tuition and mandatory fees.

Edwin J. Brown Fellowship. A perpetual fellowship provided by a gift from Edwin J. Brown, Professor Emeritus of Education. This fellowship provides full tuition and cash proceeds from the endowment. It is awarded annually to a male, full-time graduate student in the Teaching Credential program.

Qualifications: Besides the conditions laid down by the donors, all scholarships administered by the University are subject to the following conditions:

1. In selecting students for scholarship benefits, evidence of financial need is required. From the applicants who satisfy this requirement, preference will be given to students with higher scholastic attainments.
2. A student who holds a scholarship must file a petition for renewal each year. Petitions for new or renewed scholarships by students already in attendance at the University must be submitted before January 15.
3. Scholarships may be cancelled at any time for serious infractions of the rule and regulations of the University.
4. As a general rule, undergraduate applicants receive priority considerations for the different financial aids for which both graduate and undergraduate students are eligible to apply.

Veterans and Veterans' Dependents Assistance

The University of Santa Clara is listed by the Veterans Administration as qualified to receive students under Chapter 34 (veterans), Chapter 35 (veterans' dependents—son or daughter with parent deceased or 100% disabled; widow of any person who died in the service or died of a service connected disability, or the wife of a veteran with a 100% service-connected disability) and Chapter 31 (rehabilitation). Those interested in attending under any of these chapters should contact the Veterans Administration Office in their locality to determine eligibility for benefits.

The State of California provides a program for children of veterans who are deceased or disabled from service-connected causes. Application should be made to the California Department of Veterans Affairs, 350 McAllister Street, San Francisco, Ca. 94102.

Information regarding these programs may be obtained from the University of Santa Clara veterans' counselor located in the Registrar's Office, Delia Walsh Hall.



GRADUATE PROGRAMS DEPARTMENT OF EDUCATION

THE TEACHER EDUCATION PROGRAM

Director: Jo Ann Vasquez, Ph.D., Assistant Professor of Education

Purpose

The Teaching Credential Program is designed to meet California State Credential requirements for teaching grades K through 12 under the California Teacher Preparation and Licensing Law of 1970, commonly known as the Ryan Act. The University of Santa Clara is approved by the Commission for Teacher Preparation and Licensing to recommend qualified candidates for multi-subject and single-subject credentials. Detailed information concerning the credential itself appears at the end of this section (see p. 20).

Please note the distinction between the Pre-Service Teaching Credential Program and the In-Service Teaching Credential Program:

The *Pre-Service* Program is designed for undergraduate and graduate students who have not had teaching experience, nor have completed a course in directed teaching. The student must begin this program in the Fall Quarter.

The *In-Service* Program is designed for teachers who have already completed their directed teaching or have been employed as teachers and are seeking to complete the required fifth year for a Life Credential.

Since the California Teacher Preparation and Licensing Law of 1970 is in the process of being implemented, prospective Pre-Service and In-Service Program candidates are advised to contact the Director of Teacher Education regarding their respective programs.

Admission Requirements (Graduate Students, Pre-Service Program)

Admission requirements for the credential program are as follows:

1. Academic achievement: the candidate must have an overall grade point average of 2.75 and a 3.0 in his major. The candidate must possess an acceptable major, that is, one which the University of Santa Clara is approved to recommend for a credential.
2. Mental, emotional, and physical fitness.
3. A positive attitude toward the teaching profession and its responsibilities.
4. A demonstrated competence in reading, writing, and speaking English as attested to by coursework or at least two full-time faculty members.
5. A written statement confirming absence of criminal conviction that would preclude the issuance of a credential.
6. Written recommendations: three letters of recommendation from any of the following:

University of Santa Clara professors from the student's major field, former employers, professional persons, teachers in elementary or secondary schools under whom the student has completed practicum work.

7. Interviews: with the Director of Teacher Education and another full-time faculty member of the Education Department.
8. Verification of successful practicum work and/or experience with children or youth groups.

Final Deadline for admission: May 1, for Fall Quarter entry.

Since the Pre-Service Program is limited in enrollment, accepted candidates must reserve a place in the program by depositing \$50 before June 1. This non-refundable deposit will be applied to the candidate's tuition.

PRE-SERVICE PROGRAM

The Pre-Service Program is designed to maximize experience in the schools, and to integrate theory with practice. The program requires enrollment as a full-time student and includes 1) experience in the classroom, 2) foundation core studies, and 3) supportive course-work to meet specific needs. Courses required of all Pre-Service students:

ED 320, 321, 322

The experiential sequence provides for full-morning participation in classrooms in the public schools throughout the program.

ED 250, 251, 252

This foundation sequence draws from the disciplines of philosophy, psychology and curriculum. Attention is focused on topics related to the teaching-learning process.

ED 234 and 284 for multi-subject candidates; ED 203 and 286 for single-subject candidates.

This reading sequence is composed of appropriate reading and literature courses for multi-subject and single-subject candidates. These reading courses involve field experience.

Additional courses may be recommended according to the student's level of specialization.

IN-SERVICE PROGRAM

A program of studies for each individual student will be prepared in consultation with the Director of Teacher Education. The program is designed for students who already have teaching experience and/or education courses. The program *does not* include the educational foundations sequence (ED250, 251, and 252) nor the experience sequence (ED320, 321, and 322). The program will total 45 quarter units beyond the B.A. degree. In-service candidates must take a minimum of 24 quarter units at Santa Clara. Candidates may wish to consider applying for admission into one of Santa

Clara's M.A. programs in order to satisfy two objectives (credential *and* M.A. degree).

The program may be completed on a part-time basis, as all courses in the In-Service program are offered late afternoons and evenings. Applicants are accepted during any quarter.

Courses required of *all* In-Service students:

ED200 Psychology of Interpersonal Communications
ED270 Basic Issues in Education

and one of the following:

ED214 Development of the Young Child
CPSY215 Psychology of Family and Youth
ED217 Social Learning Theory
CPSY218 Dynamics of Human Behavior

Additional courses to complete a total of 45 quarter units may be selected from the following courses:

ED201 Diagnosing Reading Abilities
ED202 Prescribing for Reading Growth in Individual Students
ED214 Development of the Young Child
CPSY215 Psychology of Family and Youth
ED217 Social Learning Theory
CPSY218 Dynamics of Human Behavior
ED220 Research Methods
ED230 Survey and Guidance of Exceptional Individuals
ED234 Curr. & Instr. in Elementary Sch.: Rdg./Lang. Arts
ED240 Introduction to Learning Handicapped
ED241 Diagnosis and Prescription for Learning Handicapped
ED242 Intervention and Remediation for Learning Handicapped
CPSY272 Culture, Conflict, and the Individual
ED281 Reading: Process and Psychology (prereq: 283 or 284)
ED283 Reading in Secondary Schools
ED284 Reading in the Elementary Schools
ED285 Children's Literature
ED286 Adolescent Literature
ED288 Research in Reading (prereq: 220)

Any upper division academic course is applicable.

Concurrent Credential Program: Multi-subject or Single-subject Credential *and* the Credential in Teaching the Learning Handicapped.

Candidates who are interested in arranging a concurrent credential program in which two credentials can be earned in either the multi-subject or single-subject areas and in the teaching of students who are learning handicapped should contact either

the Director of the Teacher Education Program (Dr. Jo Ann Vasquez) or the Director of the Learning Handicapped Program (Ms. Joyce Gerard).

TEACHING CREDENTIAL INFORMATION

The minimum requirements for the Single-Subject and Multi-Subject Credentials that are granted under the Teacher Preparation and Licensing Law of 1970 (commonly referred to as the Ryan Act) are as follows:

- 1) A baccalaureate degree or higher degree, except in professional education, from an approved institution.
- 2) A fifth year of study to be completed within five years of the first employment of the certified employee.
- 3) An approved program of professional preparation.
- 4) Passage of a subject-matter examination, or holding a baccalaureate degree when the subject matter of the degree is the same as one of the subject matter examination categories.
- 5) Demonstration of a knowledge of the various methodologies of teaching reading by successful completion of an approved program of study (not to exceed ten quarter units) or passage of an approved reading examination.
- 6) Completion of the equivalent of one semester unit of Health Education.

I. Single-Subject Credential Program

Under the Ryan Act, there is no longer a Secondary Credential; in its place is the "Single-Subject Credential" which will allow its holder to teach only in a specific subject area. The law has specified 14 such areas: 1) English, 2) Physical Science, 3) Mathematics, 4) Social Science, 5) Industrial Arts, 5) Physical Education. 7) Business, 3) Music, 9) Art, 10) Home Economics, 11) Foreign Languages, 12) Life (natural) Science, 13) History, 14) Government.

II. Multi-Subject Credential Program

Under the Ryan Act, there is no longer an Elementary Credential; in its place is the "Multi-Subject Credential" which qualifies the holder to teach any subjects in a self-contained classroom from the Kindergarten through 12th Grade. To fulfill academic requirements for this credential, undergraduates can be declared humanities majors. A pre-designed program includes a minimum of 32 quarter units, or approximately seven courses, taken in *each* of the following areas:

- 1) English and communication studies, 2) mathematics and physical and life sciences, 3) social sciences, and 4) humanities and fine arts including foreign languages. Students who do not wish to become humanities majors, but wish to obtain a Multi-Subject Credential, will be required to take the Commons Examination which consists of English, social studies, and mathematics and science. In addition to professional education courses, students will be required to accomplish student teaching, and a knowledge of teaching methodology in reading must be demonstrated either through completing a course or passing an examination.

A student who wishes to qualify for a Multi-Subject credential and follow another major, may do so by meeting the course requirements for the humanities major, in addition to his major course requirements.

Note that the requirements will be the same as for a declared humanities major, i.e., 32 quarter units in each of the following areas; (1) English and communications, (2) social sciences, (3) humanities and fine arts, including foreign languages, and (4) mathematics and physical and life sciences.

When the student completes the above requirements, the registrar will note this on the student's transcript. The student will be exempt from the Commons Examination.



THE MASTER OF ARTS IN EDUCATION

The Master of Arts in Education is a professional degree in Special Education, Reading, and in the teaching of English and History. The Master of Science degree in the Teaching of Mathematics is an equivalent degree in the teaching of secondary school mathematics.

The M.A. in Education degree specializing in Special Education is designed to develop specialized competencies for regular classroom teachers of all grade levels, as well as preparing teachers who function in specialized programs for the learning handicapped student.

The M.A. in Education degree specializing in Reading is designed to aid teachers who wish to become a California State Reading Specialist as well as those who intend to be reading consultants and to administer reading clinics in school districts. The degree is recommended for the professional growth of both elementary and secondary school teachers.

As a graduate program for teachers who already hold the State credential, the Master's Degree in Education provides a concentration in the candidate's teaching field and a specified core of graduate courses in professional education.

Specific requirements and prerequisites in each program within the Master of Arts in Education degree are listed below.

English

Director: Francis X. Duggan, Ph.D., Professor of English

Prerequisites

An undergraduate English major or at least 30 quarter hours of credit in upper-division English courses, including courses in Chaucer, Shakespeare, American literature, and period surveys in English literature; a state secondary teaching credential; the equivalent of *two* years of full-time teaching or 60 quarter hours of graduate work (15 quarter hours beyond the 45 quarter hour minimum for the M.A.); a 3.00 g.p.a. in all upper-division work.

Requirements

1) A minimum of 25 quarter units of graduate credit in English beyond the normal requirements for the undergraduate major in English. Three of the five-unit courses must be graduate courses (200's); the other two may be upper-division undergraduate courses (100's). Required are: English 104 or 105 or 106 or 202; 101 or 102 or 103; 173 or 174; and any two other graduate seminars. Students may transfer up to 10 quarter hours of graduate work into the program. Candidates who wish to apply for a Community College Credential must take two more graduate seminars in English and one more upper-division course in English in order to exceed the state requirement (36 qtr. hrs.—a minimum of 18 hrs. in graduate seminars and no more than 18 hrs. in upper-division courses).

2) *Education Requirements:* 12 quarter hours, including ED200: Psychology of Interpersonal Communications, ED270: Basic Issues in Education, and one of the

following:

- ED214 Development of the Young Child
- CPSY215 Psychology of Family and Youth
- ED217 Social Learning Theory
- CPSY218 Dynamics of Human Behavior

The remaining three-quarter units may be selected from any 200 graduate level courses in Education

History

Director: Miles M. Merwin, Ph.D., Assistant Professor of History

Prerequisites

A state secondary teaching credential; a bachelor's degree with a major in History or 30 upper division quarter units in History; two year's experience of full-time teaching or equivalent.

Requirements

1) *History:* A minimum of 25 units beyond the normal requirements for the undergraduate major. Fifteen of these twenty-five must be in graduate courses (200's); the remaining ten may be in upper division. Those seeking community college credentials must also take two additional 200 level courses and one additional 100 level course. Up to ten units of graduate work in History may be transferred into the program.

2) Education Requirements: 12 quarter units, including ED200: Psychology of Interpersonal Communications, ED270: Basic Issues in Education, and one of the following:

- ED214 Development of the Young Child
- CPSY215 Psychology of Family and Youth
- ED217 Social Learning Theory
- CPSY218 Dynamics of Human Development

The remaining three-quarter units may be selected from any 200 graduate level courses in Education.

Special Education

Director: Joyce A. Gerard, M.A., Acting Assistant Professor of Education

Prerequisite

State Teaching Credential

Requirements

Fifty-one to sixty quarter units beyond the credential.

- ED200 Psychology of Interpersonal Communications
- ED201 Diagnosing Reading Abilities
- ED217 Social Learning Theory

ED230 Survey and Guidance of Exceptional Individuals
ED240 Introduction to Learning Handicapped
ED241 Diagnosis and Prescription for Learning Handicapped
ED242 Intervention and Remediation for Learning Handicapped
ED270 Basic Issues in Education
CPSY307 Measurements for Guidance
ED309 Field Experience
ED332 Practicum: Learning Handicapped

Electives to complete the program contract are selected in consultation with the Program Director. Electives are selected from courses available in the areas of special education, counseling, reading, psychology, research methods and curriculum.

Through consultation with the program directors it is possible to plan a program of studies in which the M.A. degree, credentials in pupil personnel services *and* the teaching of learning handicapped students may be earned.

Reading

Acting Director: Kenneth E. Blaker, Associate Professor of Education

Prerequisites

1. A California teaching credential
2. Teaching experience
3. Completion of an approved course on reading methods for the classroom teacher or a passing score on the State Teaching of Reading Examination.
4. Completion of a basic course in linguistics

Requirements

A minimum of 45 quarter units including the following coursework:

Foundations and Skills

ED200 Psychology of Interpersonal Communications

ED220 Concepts of Research Methods and Statistical Analysis

ED270 Basic Issues in Education

ED214 Psychology of the Young Child

or

ED215 Psychology of Family and Youth

Professional Sequence

ED283 Reading in the Secondary Schools

or

ED284 Reading in the Elementary Schools

ED285 Children's Literature

or

ED286 Adolescent Literature

ED201 Diagnosing Reading Abilities

ED202 Prescribing for Reading Growth in Individual students
ED281 Reading: Process and Psychology (Prerequisite: ED283 or 284)
ED288 Research in Reading (Prerequisite: ED220)
ED289 Administration and Supervision of Reading Programs
ED334 Practicum: Reading

Courses should be taken in the approximate order listed. Electives include ED310, Independent Study, ED399 Master's Thesis, and other graduate-level education courses.



MASTER OF ARTS IN COUNSELING PSYCHOLOGY

Director: William W. Yabroff, Ph.D., Associate Professor of Education

The Master of Arts Degree in Counseling Psychology is designed for those who seek to counsel in institutional or private settings where such a degree is part of their professional preparation. Such settings include public and private schools, community colleges, community agencies, groups engaged in vocational and career counseling, private clinics and personnel work. For those wishing to counsel at the elementary, secondary or junior college levels in the public school system, the program is also designed to meet requirements for the State Credential in Pupil Personnel Services.

Prerequisites

Applicants are evaluated in the light of previous experience and academic record. At least one year of post-bachelor's degree experience in a people-oriented activity is required. Exceptions are sometimes made when that experience is taken concurrently with the graduate program. The applicant should know that the Santa Clara program is primarily designed for the working professional, with courses offered in the late afternoons and evenings. Students are encouraged to either continue in their present employment, if suitable, or select situations where some application of counseling skills is possible. Preference will be given to those whose working milieu provides such application. Applications may be submitted at any time during the year. After applications have been processed and accepted, applicants will then be notified as to when they may formally matriculate into the counseling program.

Requirements

A minimum of 45 units is required for the Master's Degree in Counseling Psychology. If the applicant's background in psychology or related areas is weak, or if adequate work experience is lacking, as many as 15 additional units may be required. Courses are selected by the student and advisor with the ultimate professional goal of the student in mind. Courses to be included in the student's program for General Counseling or for the Pupil Personnel Services Credential are listed below.



MASTER OF ARTS IN MARRIAGE, FAMILY AND CHILD COUNSELING

Director: William W. Yabroff, Ph.D., Associate Professor of Education

The Master of Arts Degree in Marriage, Family and Child Counseling is designed to meet the course requirements and to fulfill part of the experience requirement for the State License in Marriage, Family and Child Counseling. The program's development follows regulations provided by the Board of Behavioral Science Examiners, and the guidelines suggested by the American and the California Associations of Marriage, Family, and Child Counselors.

Prerequisites

Since the State License in Marriage, Family and Child Counseling allows its holder to engage in private practice using psychotherapeutic techniques and counseling, candidates will be selected on the basis of experience, previous academic background and maturity with regard to life experience and professional goals. Applicants to the counseling psychology program should be at least 25 years of age, and motivated to complete the experience requirements as set forth by the Board of Behavioral Science Examiners following the Master's Degree. Further information regarding such requirements may be obtained by writing to the Board of Behavioral Science Examiners, 1020 "N" Street, Sacramento, California 95814.

Requirements

Sixty units are required for the Master of Arts Degree in Marriage, Family and Child Counseling. A balance of academic course work and field training will be made in light of each student's background and competencies. Courses to be included in the program are listed below.

Required courses related to the M.A. in Counseling Psychology and the M.A. in Marriage, Family and Child Counseling are as follows:

GEN = General Program in Counseling Psychology

PPS = School Counseling Specialty

MFC = Marriage and Family Counseling Specialty

* = Prerequisites

		GEN	PPS	MFC
CPSY200	Psy of Interpersonal Communication	3	3	3
ED214	Psy of the Young Child or (314 for MFC)			
CPSY215	Psy of Family and Youth	3	3	3
CPSY216	Psy of Adult Behavior *(227)			3
ED217	Social Learning Theory			3
CPSY218	Dynamics of Human Behavior	3	3	3
CPSY219	Psychology of Group Counseling*(200)	3	3	3
ED220	Research and Evaluation	3	3	3
CPSY226	Principles and Procedures in Guidance (concurrent with 330)		3	

CPSY227	Counseling Process and Problems *(200;218)	3	3	3
ED230	Guidance of Excep Indiv (select one 230;240; or 243)			
ED240	Intro to Learning Handicap			
ED243	Analysis of Learning Relationships			
ED270	Basic Issues in Education		3	
CPSY272	Culture, Conflict and the Indiv			
CPSY273	The Family as an Institution			3
CPSY300	Psy of Career Development	3	3	
CPSY306	Diagnostic Testing *(318)			3
CPSY307	Measurement for Guidance		3	
ED309	Field Experience			
ED310	Independent Study (written permission the quarter before)			
CPSY311	Psy of Marriage Counseling *(227)			3
CPSY312	Counseling for Contemporary Problems *(218)			
CPSY315	Advanced Seminar in Family Counseling *(215)			3
CPSY316	Advanced Psy of Adult Behavior *(216)			
CPSY318	Psychopathology *(218)			3
CPSY319	Advanced Group Psychology (200 and written permission quarter before)			
CPSY327	Advanced Counseling Processes *(227)			
CPSY330	Counseling Practicum: School (permission quarter before)		6	
CPSY331	Counseling Practicum: Community Agency (permission quarter before)			
CPSY333	Counseling Practicum: Marr, Fam and Child (permission quarter before)			

The following information is applicable to students in both the Masters of Arts in Counseling Psychology and the Masters of Arts in Marriage and Family Counseling programs:

Academic Performance: A grade-point average of 3.00 (B or better) is required in CPSY 200, 219, and 227 for continuation in the program. This average is irrespective of grades earned in other courses. A 3.00 (B or better) grade point average is required throughout the degree program. Students falling below this average must make up the deficiency within the following quarter in order to continue in the program.

Sequence of Courses: CPSY 200, 218, 219, 227 should be taken during the first 21 units of study. The practicums, CPSY 330, 331 and 333 should be taken after sufficient course work is completed to make practicum a meaningful undertaking. Between 24 and 30 units is advised before requesting permission to take a practicum. Otherwise, the student is encouraged to pursue course work according to his interest and schedule, noting those courses which have prerequisites and planning accordingly.

Periodic Evaluation: The counselor education faculty periodically evaluates the student in the light of his performance and behavior. This is part of our commitment to

the profession of counseling and to the clients it serves. Should the faculty judge that the student would not be an asset to this profession, he will be asked to leave the program regardless of the number of courses already completed. Students will be contacted only when their evaluation is negative. Otherwise, they may assume that their performance is satisfactory.

Comprehensive Examination: A written comprehensive examination will be given during the last quarter of study. The purpose is to facilitate a meaningful synthesis of the various concepts and experiences provided in the program. Sample questions will be available several weeks prior to the examination to allow for productive review. If needed, a second opportunity will be given to satisfactorily perform on the comprehensive examination. Passing the comprehensive examination is prerequisite to graduation.



MASTER OF SCIENCE IN TEACHING MATHEMATICS

Director: David E. Logothetti, Ph.D., Assistant Professor of Mathematics

Prerequisites

An undergraduate major in Mathematics or a substantial minor (an elementary calculus sequence plus at least two upper division mathematics courses).

Requirements

1) Mathematics: 35 to 45 quarter units of approved upper division or graduate Mathematics courses, including 172: Problem Solving; 270-271: Advanced Topics for Secondary Teachers; and 290: Thesis.

2) Education: Up to 10 quarter units may be substituted for mathematics units. These units must be approved and taken in graduate status.

3) Special provision will be made for students in the N.S.F. Summer Institute.

MASTER OF ARTS IN ENGLISH

Director: Francis X. Duggan, Ph.D., Chairman, Department of English

Prerequisites

An undergraduate major in English or at least 30 quarter units of upper division courses in English and American literature, including courses in Chaucer, Shakespeare, period surveys, and literary criticism or theory.

Requirements

Program A: 35 quarter units of course work and a thesis. Program B: 45 quarter units of course work and a written examination. In both programs, 25 units of course work must be in graduate seminars (courses numbered 200 and above); the remaining course work may be in upper division undergraduate literature courses (numbered 100-199) listed in the Graduate Bulletin. Both programs require a reading comprehension of French or German (or another language, should a thesis topic require it), to be demonstrated in a written examination.

THE MASTER OF ARTS IN HISTORY

Director: Timothy J. O'Keefe, Ph.D., Chairman, Department of History

Prerequisites

An undergraduate major in History or its equivalent.

Requirements

1. Courses: 45 quarter units of graduate credit in History beyond the normal requirements for the undergraduate major. Twenty-five of these units must be taken in graduate courses (200's); the remaining 20 may be taken in upper division courses (100's).

2. Language: The candidate must pass a written examination to demonstrate his reading knowledge of either French or German, or the language of the area of specialization.

3. Examinations: The candidate must pass a written comprehensive examination.

4. Thesis: All candidates may choose to present a thesis rather than take the comprehensive examination. The thesis must be accepted by the Department and defended by the candidate. History 300 (thesis) may be substituted for 5 or 10 units of graduate course work.



Courses

Education

Graduate Courses

ED 200 PSYCHOLOGY OF INTERPERSONAL COMMUNICATIONS (3)

The theory and process of interpersonal communication with laboratory training in the skills of effective listening, sending and confrontation, group discussion techniques, problem-solving and conflict resolution. The application of skills is relevant to the settings of the family, the classroom, personal counseling, or other settings where leadership is enhanced by open communication and good interpersonal relationships.

CPSY 200 PSYCHOLOGY OF INTERPERSONAL COMMUNICATIONS (3)

The theory and process of interpersonal communication with laboratory training in the skills of effective listening, sending and confrontation, group discussion techniques, problem solving and conflict resolution. The skills are presented as being fundamental for more advanced counseling and therapeutic techniques. CPSY200 is limited to students in the counseling psychology program.

ED 201 DIAGNOSING READING ABILITIES (3)

A course designed to provide an understanding of the conditions of learning as they apply to learning in general and reading specifically and consideration of learning disabilities in reading. Emphasis placed on diagnostic techniques. Field experience included.

ED 202 PRESCRIBING FOR READING GROWTH IN INDIVIDUAL STUDENTS (3)

Emphasis is placed on following up diagnosis through designing individual prescriptions for students of all levels of ability in reading. Special attention is given to the needs of disabled learners. Field experience is included.

ED 203 CURRICULUM AND INSTRUCTION: READING IN THE SECONDARY SCHOOLS (3)

An *introductory course* designed for students in the Teacher Education program who plan to teach at the junior and senior high school levels. An overview of elementary reading instruction is provided as a base. Consideration of remedial needs for adolescent and mature students. Exposure to materials and equipment for teaching reading at the secondary level.

ED 214 DEVELOPMENT OF THE YOUNG CHILD (3)

Examination of the basic theoretical formulations relating to child development from infancy through middle childhood. Practical implications for parents and teachers.

CPSY 215 PSYCHOLOGY OF FAMILY AND YOUTH (3)

This course concerns itself with the discovery and treatment of emotionally and socially maladjusted children with emphasis on the systems approach to counseling families. A study is made of the family, the school, and the community in relation to children's mental health. Opportunity is provided for observing and discussing the family counseling techniques which apply the principles and theories developed by Alfred Adler and Rudolph Dreikurs, the forerunners of conjoint family therapy.

CPSY 216 PSYCHOLOGY OF ADULT BEHAVIOR (3)

An experiential study of self-fulfilling and self-defeating adult behavior dealing with personality integration and the search for meaning. The framework of psychosynthesis as developed by Dr. Roberto Assagioli will be used to provide a theoretical base and overall counseling strategy. The study will include an examination of the personal and transpersonal areas of adult functioning, development of the will, the use of images and symbols, and a variety of techniques helpful in adult counseling. Prerequisite: CPSY 227.

ED 217 SOCIAL LEARNING THEORY (3)

Critical examination and evaluation of learning theories in educational and counseling psychology. Applications of reinforcement theory to behavioral control and analyses in the classroom, family, and marriage.

CPSY 218 DYNAMICS OF HUMAN DEVELOPMENT (3)

An examination of the dynamics of anxiety, conflict, and personal growth as viewed by the major schools of counseling and psychotherapy. Theoretical concepts will be illustrated by relating them to a case history approach as well as to the student's personal life experience.

CPSY 219 PSYCHOLOGY OF GROUP COUNSELING (3)

An introductory laboratory training course in small-group dynamics. Techniques of small group leadership are supplemented by experience in group participation. Enrollment limited. CPSY 200 is a prerequisite.

ED 220 RESEARCH METHODS (3)

Familiarization of the role of research and statistics in analyzing counseling and teaching. Review and interpretation of research literature. Methodology of formulating research proposals and thesis.

CPSY 226 PRINCIPLES AND PROCEDURES IN GUIDANCE (3)

An introduction to the study of pupil personnel services, concepts, and procedures. Staff roles and functions, community resources, professional ethics, and legal aspects. Use of data processing in education, particularly in pupil personnel services. To be taken concurrently with CPSY 330.

CPSY 227 COUNSELING PROCESS AND PROBLEMS (3)

An advanced interpersonal communications course with laboratory training in the skills of personal counseling. Concepts and strategies from Gestalt

Therapy, client-centered approaches, existential counseling, rational-emotive therapy and psycho-dynamic theory will be used. Students will gain experience both as a counselor and as a client through weekly counseling sessions throughout the quarter. CPSY 200 and CPSY 218 are prerequisites.

ED 230 SURVEY AND GUIDANCE OF EXCEPTIONAL INDIVIDUALS (3)

A course designed to acquaint teachers and counselors with the nature of problems with which exceptional individuals are confronted. "Exceptional" individuals are those who deviate noticeably from social and behavioral norms. This would include consideration of a variety of physical and mental handicaps, as well as consideration of individuals who are unusually gifted.

ED 234 CURRICULUM AND INSTRUCTION IN ELEMENTARY SCHOOLS: READING AND LANGUAGE ARTS (3)

An *introductory course* which provides an overall view of content taught in elementary school reading and language arts. Emphasis is placed on instructional strategies and the books and materials used in the elementary classroom.

ED 240 INTRODUCTION TO LEARNING HANDICAPPED (3)

This course presents an introduction to the area of learning handicapped. It is based upon an information-processing model which describes normal functioning and dysfunctioning of the individual. Rationales specific to the education of individuals with learning handicaps will be presented. It will be the task of each student to synthesize these rationales in terms of the basic information-processing model.

ED 241 DIAGNOSIS AND PRESCRIPTION FOR LEARNING HANDICAPPED (3)

This course is designed to build competence in the educator as a consumer of clinical information. Students will administer and interpret formal and informal educational assessment tools, and will learn how to synthesize their results with existent clinical information in order to build a clear behavioral picture of learning function and dysfunction in the individual. Prerequisite: ED 240 or equivalent.

ED 242 INTERVENTION AND REMEDIATION FOR LEARNING HANDICAPPED (3)

This course covers the translating of diagnostic information into effective educational programs for children with learning handicaps. The teacher will learn to administer educational evaluations for individuals and to incorporate this information into a multi-disciplinary picture of the child's strengths and deficits. Special remediation approaches will be presented. Prerequisite: ED 241.

ED 243 ANALYSIS OF LEARNING RELATIONSHIPS (3)

This course is designed to advance the student's understanding of the inter-relatedness of perceptual modal functioning, language styling, and move-

ment sophistication in the failing learner. The principles of the space oriented approach to remediation are stressed.

ED 244 PRINCIPLES OF CONTINUOUS ASSESSMENT (3)

This course advances the student's understanding of daily classroom assessment according to a dynamic clinical model that integrates behavioral and academic observations. ED 243 is prerequisite.

ED 245 PERSPECTIVES IN CHOOSING INSTRUCTIONAL STRATEGIES (3)

This course offers the student an assortment of instructional strategies for individual and group remediation. Specific instructional techniques and selected learning materials are subjected to critical analysis. ED 244 is prerequisite.

ED 250 FOUNDATIONS OF EDUCATION I (5)

The first of three courses stressing the theoretical bases of education. Designed to develop a carefully considered point of view toward teaching and learning. Value questions which relate to psychology and curriculum are considered.

ED 251 FOUNDATIONS OF EDUCATION II (5)

This second of three courses focuses on curriculum design, implementation, and evaluation at the elementary and secondary levels. Students are given an opportunity to pursue their special interests related to such problems as the core curriculum, psychology or curriculum, subject- vs. student-centered approaches, and recent trends in the field.

ED 252 FOUNDATIONS OF EDUCATION III (5)

The third of the three course sequence concentrates on the applications of psychology to the educational process. Consideration of standardized and teacher constructed tests is also included.

ED 270 BASIC ISSUES IN EDUCATION (3)

The theory and practice of thinking critically about issues in present day education. Select issues in teaching and counseling are analyzed which reflect underlying value conflicts within society.

CPSY 272 CULTURE, CONFLICT, AND THE INDIVIDUAL (3)

An examination of current cultural changes and their impact upon the individual. Stress is placed upon recent developments within the culture which have significance for members of the helping professions.

CPSY 273 FAMILY AS AN INSTITUTION (3)

This course is concerned primarily with the sociology of the family particularly family systems as they exist in the United States. Such topics as the family cycle of growth and development, role concepts, need—gratification within the family system, minority family systems, diverse family systems, one parent

families, differing kinship relationships, and the family as a legal-social system will be explored.

ED 281 READING: PROCESS AND PSYCHOLOGY (3)

A study of linguistic concepts uniting reading and the other language arts with particular attention to the phoneme-grapheme relationship. Study of psycholinguistic analyses of reading, child acquisition of language, and problems related to dialectal differences. Prerequisite 283 or 284.

ED 283 READING IN THE SECONDARY SCHOOLS (3)

An advanced course exploring the possibilities for teaching reading in the junior and senior high schools and for aiding students with reading problems in content areas. Includes field experience.

ED 284 READING IN THE ELEMENTARY SCHOOLS (3)

An advanced course studying approaches, methods and practices in elementary school reading instruction. Examination of instructional materials and experiences in curriculum development. Includes field experience.

ED 285 CHILDREN'S LITERATURE (3)

Exploration of literature written for children; history and development of literature for children—authors, illustrators, and various genres; investigation of strategies for teaching literature as part of the English program; use of varied media and methods of presentation.

ED 286 ADOLESCENT LITERATURE (3)

Emphasis on types of literature, analysis of literary qualities, selection and presentation of literature to adolescents. Designed for the high school teacher of all subject fields.

ED 288 RESEARCH IN READING (3)

Designed to provide an exploration into the major contributions to the field of Reading. Emphasis will be placed upon an analysis of current reading practices and trends, and techniques for conducting reading research. Prerequisite ED 220.

ED 289 ADMINISTRATION AND SUPERVISION OF READING PROGRAMS (3)

Provides an opportunity to critique school and district reading programs, to develop curriculum, and to consider the problems of supervising programs. Includes observation and consultation.

CPSY 300 CAREER DEVELOPMENT AND LIFE PLANNING (3)

An examination of life styles and methods for providing vocational and educational guidance across the age span. Analysis of the relationship of career development theory to vocational counseling in various settings (schools,

clinics, rehabilitation, etc.). Techniques for assisting the client in effective use of educational and occupational information in decision making.

CPSY 306 DIAGNOSTIC TESTING (3)

A course designed to acquaint counselors with the use of individual assessment techniques, projective tests, personality inventories, and other tests used primarily in professional and marriage, family and child counseling settings. ED 220 and CPSY 318 are prerequisites.

CPSY 307 MEASUREMENT FOR GUIDANCE (3)

Theory and practice of standardized test development and testing procedures; theory and practice of standardized; the applications and limitations of standardized tests; techniques of administering and interpreting group tests. ED 220 is prerequisite.

ED 309 FIELD EXPERIENCE (1-5)

Designed for those who wish to augment their graduate studies with specialized training and/or experience outside the University in their own field of study. The field experience project must have significant bearing on the professional goals of the student, and to be over and above what the student is normally engaged in. As a general rule, 20 hours of instruction or 40 hours of qualified experience is equivalent to one unit of credit. Advisor's permission is required.

ED 310 INDEPENDENT STUDY (1-5)

Supervised research initiated by the student, reading and experiences in special areas of education. Obtain the necessary forms from the Education Department and complete them *prior to registration*.

CPSY 311 PSYCHOLOGY OF MARRIAGE COUNSELING (3)

Focus will be on marriage as a changing institution, theories regarding current problems and stresses in the marriage relationship, techniques in marriage and pre-marital counseling, the developmental stages in the marriage relationship, and the dynamics of marital interaction. The course is designed for students whose goals include professional counseling.

CPSY 312 COUNSELING FOR CONTEMPORARY PROBLEMS (3)

Counseling approaches used in crisis intervention with drug and alcohol addiction, abortion, suicide, terminal illness, etc., where short term, immediate intervention is required. Procedures in dealing with clients and their families caught in these dilemmas will be discussed.

ED 314 PSYCHOSOCIAL DEVELOPMENT OF THE SCHOOL-AGE CHILD (3)

In-depth examination of the current research relating to the physical, intellectual, social and emotional development of the school-age child. Opportunity for students to pursue their special interests related to the course content. Practical implications for parents, teachers, and counselors.

CPSY 315 ADVANCED SEMINAR IN FAMILY COUNSELING (3)

Designed for students who have completed ED 215 and who wish to examine Adlerian and Dreikursian principles more critically, as well as to become acquainted with the systems approaches of other noted leaders in family counseling. The procedure is to make in-depth comparison of the principles expressed by other authors with those of Adler and Dreikurs. The format includes meeting in small discussion groups to examine the various counseling procedures and theories. In addition, opportunities will be provided for class members to engage in counseling with simulated families in various states of dysfunction.

CPSY 316 ADVANCED SEMINAR IN ADULT BEHAVIOR (3)

For students who wish to continue the exploration undertaken in CPSY 216 at a more advanced level, giving special attention to further application of skills and techniques in counseling. CPSY 216 is prerequisite.

CPSY 318 PSYCHOPATHOLOGY (3)

The dynamics and classification of abnormal behavior including neurosis, psychosis, character disorders, psychosomatic reactions and other abnormal personality patterns. Designed to acquaint the student with the mental health and clinical frame of reference.

CPSY 319 ADVANCED SEMINAR IN GROUP PSYCHOLOGY (3)

An intensive seminar designed to help students who wish to increase their competencies in group leadership. Co-facilitation of a group, followed by a critique, is a required part of the seminar. Participants should be able to evaluate various leadership styles and strategies for purpose of determining the leadership style that is best suited for each individual.

ED 320 DIRECTED TEACHING I (Fall quarter) (8)

This is the first in a student teaching sequence of three courses which is designed to introduce the Teacher Credential candidate to curriculum and instruction in the public schools at all levels. Morning practicums are combined with weekly seminars in which students have an opportunity to discuss problems and issues in public education. Prerequisite: Admission to the Teacher Credential Program.

ED 321 DIRECTED TEACHING II (Winter quarter) (8)

The second course in the directed teaching sequence is designed for the Teacher Credential candidate who will engage in teaching under the supervision of an experienced resident teaching in the public schools. Students are assigned to specific teaching positions in the morning while taking coursework in the afternoon, thereby facilitating the inter-relating of theory and practice. Prerequisite: Admission to the Teacher Credential Program and completion of ED 320.

ED 322 DIRECTED TEACHING III (Spring quarter) (8)

The last course in the directed teaching sequence is designed as a continuation of ED 321. Students continue their student teaching assignments until the completion of the public school year while taking coursework in the afternoon. Prerequisite: Admission to the Teacher Credential Program and completion of ED 320 and 321.

CPSY 327 ADVANCED SEMINAR IN COUNSELING PROCESSES (3)

Laboratory training in advanced counseling strategies and interventions. Opportunities will be provided for individual and couples counseling. CPSY 227 is prerequisite.

CPSY 330 COUNSELING PRACTICUM: IN SCHOOL (3)

Field experience which includes supervised experiences in educational, vocational, and personal guidance. Use of counseling procedures for the age level at which the student is preparing to counsel. *Two consecutive quarter terms are required. By permission only.*

CPSY 331 COUNSELING PRACTICUM: AGENCY (1-6)

Field experience which includes supervised counseling experiences in community services such as juvenile probation, mental health, community colleges, etc. Designed to come in the second half of the counseling program after completion of the counseling core. *By permission only.*

ED 332 PRACTICUM: LEARNING DISABILITIES (1-6)

A supervised field experience in diagnosing and teaching students with learning disabilities. Designed to be a concluding course as a part of the master's degree program. A variety of settings, e.g., classroom, clinic, private school, etc. is available for completing the practicum. *Enrollment is limited and permission to enroll must be obtained well in advance of registration.*

CPSY 333 COUNSELING PRACTICUM: MARRIAGE, FAMILY, AND CHILD (1-6)

Supervised field experience designed specifically to meet the license requirements for California. A licensed supervisor will conduct weekly seminars for consultation and discussion of such topics as case management and evaluation, referral procedures, ethical practices, professional and client interaction, confidential communication, and interprofessional ethical considerations. *By permission only.*

ED 334 PRACTICUM: READING (1-6)

Provides practical field experience to enable the reading specialist to acquire and demonstrate competencies through intensive, extensive, and realistic experience in diagnosis, prescription, and instruction. Provides opportunities for advanced students to gain experience in areas of special focus, e.g., working with bi-lingual or bidialectal students. Two terms of experience is advisable. *By Permission only.*

ED 355 THE LAW, YOUTH, AND EDUCATION (3)

Survey of basic legal principles that affect decisions about education and youth. Presentation and description of illustrative cases.

ED 399 THESIS (3-6)

Thesis is optional and is usually selected by those individuals who are preparing for doctoral studies. The thesis is to be concerned with a recognized problem in the particular field of specialization of the advanced student. It should make a scholarly contribution to the extant body of knowledge in this area, and provide a review of principal sources. Format will be according to the American Psychological Association's format. Supervision and review of the thesis will be provided by faculty member(s) designated by the Chairman of the Education Department.

ENGLISH

100. OLD ENGLISH

101. LINGUISTICS

102. MODERN GRAMMAR

103. HISTORY OF THE ENGLISH LANGUAGE

History of origins and development of English as written and spoken in England and America.

104. CRITICISM AND DRAMA

Classical and Neo-classical criticism, especially as it applies to drama. Significant critical works will be read in conjunction with representative plays.

105. CRITICISM AND POETRY

Important criticism and theories from 1798 to the present. Poems will be studied in light of the critical theories.

106. CRITICISM AND FICTION

The theory and criticism of fiction from Flaubert and James to the present time. Representative works of fiction will be studied along with the critical theories.

110. CLASSICAL DRAMA

A study of selected Greek and Roman plays in translation.

111. CONTINENTAL DRAMA

A study of selected French, German, Italian, and Spanish plays of the 17th and 18th centuries in translation.

- 112. MODERN DRAMA**
A study of selected European and American plays of the late 19th and 20th centuries in translation.
- 113. ENGLISH DRAMA I**
This history of the drama in England from the beginning to 1660. Emphasis on Elizabethan and Jacobean dramas.
- 114. ENGLISH DRAMA II**
History of the drama in England from 1660 to 1900. Offered by Theatre Arts Department.
- 115. ENGLISH DRAMA III**
History of the drama in England from 1900 to the present. Offered by the Theatre Arts Department.
- 116. SHAKESPEARE'S TRAGEDIES**
- 117. SHAKESPEARE'S COMEDIES**
- 118. SHAKESPEARE'S HISTORIES AND SONNETS**
- 119. AMERICAN DRAMA**
- 120. THE NEO-CLASSICAL PERIOD**
A study of the non-dramatic literature of England from 1660 to 1798.
- 121. THE ROMANTIC PERIOD**
A study of the non-dramatic literature of England from 1798 to 1832. Emphasis on poetry.
- 122. THE VICTORIAN PERIOD**
A study of the non-dramatic literature of Britain from 1832 to approximately 1900.
- 124. THE ENGLISH NOVEL I**
A study of the English novel during the 18th Century.
- 125. THE ENGLISH NOVEL II**
A study of the novel in England during the 19th Century.
- 126. THE AMERICAN NOVEL**

- 127. THE MODERN NOVEL**
Readings of selected major works of modern English, American, and Continental novelists.
- 130. STUDIES IN AMERICAN LITERATURE I**
An intensive study of selected authors, trends, and literary problems in American literature during the seventeenth, eighteenth, and nineteenth centuries.
- 131. STUDIES IN AMERICAN LITERATURE II**
An intensive study of selected authors, trends, and literary problems in American literature from the late nineteenth-century to the present.
- 144. COMPARATIVE LITERATURE I**
A study of classical forms, themes, and stylistic devices and their specific influence and effect on English literature.
- 145. COMPARATIVE LITERATURE II**
A study of the major forms and themes of modern Continental literature and their influence on English literature.
- 152. CHAUCER I**
A study in Middle English of the *Canterbury Tales*.
- 153. CHAUCER II**
A study in Middle English of *Troilus and Criseyde*.
- 155. THE MEDIEVAL PERIOD**
English literature from the Norman Conquest to 1485.
- 156. THE RENAISSANCE**
A study of the non-dramatic literature of England from 1485 to 1603.
- 157. THE SEVENTEENTH CENTURY**
A study of the non-dramatic literature of England from 1603 to 1660.
- 158. MILTON**
A study of the major works, with emphasis on *Paradise Lost*.
- 160. MODERN ENGLISH LITERATURE**
A study of the non-dramatic literature of England from 1900 to the present.
- 165. CONTEMPORARY LITERATURE**
A study of contemporary British and American literature.

174. ADVANCED COMPOSITION

A course designed primarily for prospective teachers. Practice in writing combined with discussion of the problems of writing and the teaching of writing.

181. CELTIC RENAISSANCE

Irish literature in English of the late 19th and the 20th centuries.

Graduate Courses

201. SEMINAR IN POETRY (5)

202. SEMINAR IN CRITICISM (5)

203. SEMINAR IN DRAMA (5)

204. SEMINAR IN FICTION (5)

205. SEMINAR IN SATIRE (5)

216. SEMINAR IN SHAKESPEARE (5)

220. SEMINAR IN NEO-CLASSICAL LITERATURE (5)

221. SEMINAR IN ROMANTIC LITERATURE (5)

222. SEMINAR IN VICTORIAN LITERATURE (5)

230. SEMINAR IN AMERICAN LITERATURE (5)

244. SEMINAR IN COMPARATIVE LITERATURE (5)

252. SEMINAR IN CHAUCER (5)

255. SEMINAR IN MEDIEVAL LITERATURE (5)

256. SEMINAR IN RENAISSANCE LITERATURE (5)

260. SEMINAR IN MODERN LITERATURE (5)

299. DIRECTED RESEARCH (5)

Permission of instructor and chairman required.

300. THESIS DIRECTION (5)

Students writing a thesis register for this course twice. They may register only after a thesis supervisor has been appointed.

HISTORY

100. THE THEORY AND PRACTICE OF HISTORY

Practical and theoretical problems of the historian. A critical study of historical writing in a specific area of history. Research and composition are emphasized.

108. WOMEN IN WESTERN SOCIETY

A survey of the role of women in European and American history emphasizing changing attitudes toward women, their condition of life, and the movements for political, legal and economic equality.

111. THE CLASSICAL MEDITERRANEAN WORLD

The Hellenic world from Homer to Alexander the Great; Hellenistic Civilization; Rome from republican city to world empire; late antiquity.

112. MEDIEVAL EUROPE

The Roman Empire and the Barbarians in Western Europe; Byzantine and Islamic impact; the Carolingian empire; feudalism and the Viking age; Papacy, Empire and Feudal monarchies; Renaissance of the twelfth century; the high Middle Ages.

113. RENAISSANCE AND REFORMATION, EUROPE, 1350-1610

Autumn of the Middle Ages: the Renaissance as a cultural movement; the religious upheaval and its consequences; Europe and the Ottoman Empire; overseas expansion and the price revolution; Europe divided.

114. THE AGE OF REASON AND THE OLD REGIME, EUROPE, 1610-1789

Continuation of religious and dynastic struggles: advance of scientific thought and its consequences; church, state and social structure; world empires and balance of power; Baroque and classic styles.

115. REVOLUTIONARY EUROPE: NATIONALISM, SOCIALISM, IMPERIALISM, 1789-1890

The French Revolution and Napoleon; Conservative reaction; and liberal nationalism; 1848 revolutions; the Industrial Revolution, socialism and colonialism.

116. DEMOCRACY AND TOTALITARIANISM, TWENTIETH CENTURY EUROPE

The origins of World War I; the democratic triumph and the post war years; the Russian Revolution; Italian and German Fascism; World War II; contemporary Europe.

118. ANCIENT GREECE

The Mycenaean world; the origins of the Hellenic civilization; Periclean Athens; Sparta; interpolis conflicts; Hellenic culture.

120. ANCIENT ROME

The formation of the Roman Republic and its expansion; political and social reform movements; Augustus and the Principate; the culture of the Golden and Silver Ages; Roman Law; the decline of the universal state.

123. TOPICS IN EARLY MODERN EUROPE

A course treating some specific aspect of European history from the fourteenth through the eighteenth centuries. Topics might include: The Italian Renaissance, The Diplomacy of the Old Regime, Calvinism, the Counter Reformation and Revolution.

124. SPAIN

Medieval origins of the Spanish kingdoms and the development of Spanish society. The age of discovery and the Siglo de Oro. European power and overseas empire. Crises of the nineteenth and twentieth centuries.

125, 126. HISTORY OF FRANCE

A historical study of the development of French society, institutions, thought and culture from the mid-fifteenth century to the 20th century. The Ancien Regime. The French Revolution and the Napoleonic period. The struggle between the monarchical and the republican traditions.

128, 129. GERMANY

A history of the social, economic, political, and cultural development of the German nation. 128, Germany from 1640 to 1890; 129, Germany from 1890 to the present.

130. HISTORY OF IRELAND

A study of Irish history since the Reformation emphasizing the conflict between the Protestant Ascendancy and the Catholic population. The successive struggles for home rule and an independent republic. The modern division of Ireland.

131, 132. ENGLAND

The growth of the English state and constitution. The continental ambitions of England during the Middle Ages. The Tudors and the English reformation. The constitutional struggle under the Stuart monarchs. The development of

the modern English government emphasizing the political reforms to the nineteenth century. Britain's role in the modern world.

136, 137. HISTORY OF RUSSIA

The political social and religious formation of early Russia; the reforms of Peter the Great; Russian absolutism and the impact of Western Europe in the eighteenth and nineteenth centuries; the Russian Revolution and economic and political developments in the Soviet Union; World War II; the Soviet Union as a world power.

138. HABSBURG AND EAST CENTRAL EUROPEAN HISTORY

Emergence of the medieval kingdoms of Poland, Hungary, and Bohemia. The rise of the House of Habsburg and the establishment of the Danubian empire of Austria. Social and institutional patterns, problems of modernization and reform. Growth of nationalism and the dissolution of the Habsburg Empire.

144. EUROPEAN DIPLOMATIC HISTORY

A study of the relations of the major European powers since 1870, with emphasis on the economic, political and social forces which influenced these relations.

151. ORIGINS AND DEVELOPMENT OF ISLAM

The Prophethood of Muhammad and the Muslim Revolution. The Islamic conquests and formation of Muslim Institutions. The development of philosophy, law and art during the "golden age" of Islam. The fragmentation of the Muslim empire; the rise of Turkish power; the Crusades.

152. MODERN MIDDLE EAST AND NORTH AFRICA

European Imperialism and the development of Arab Nationalism. Problems of economic development, political stability and military conflict.

153, 154, 155. AFRICA

Africa to 1600; Africa 1600-1850; Africa after 1850. These three courses are designated to offer a basic and intensive historical survey of African cultural institutions, and social and political forces.

156. MODERN JAPANESE HISTORY

Demise of the Tokugawas. Meiji restoration and enlightenment. The liberal movement. Socio-economic transformations. Continental expansion. The democratic experiment. Meiji-Taisho social movements. Special reference to ultra-nationalistic movements. The "Greater East Asia War." Post-war recovery.

- 157. MODERN MAINLAND SOUTHEAST ASIAN HISTORY**
A study of political developments from mid-nineteenth century Anglo-French imperialism to the emergence of national states. Particular reference to indigenous nationalist movements in French colonial areas and the modern transition in Thailand.
- 158. MODERN CHINESE HISTORY**
Sociopolitical changes from the late Ch'ing Reform Movement. Special emphasis on modern revolutionary movements, political history of the Kuomintang period, and the rise of the Chinese Communist Party.
- 159. RELIGION AND SOCIETY IN TRADITIONAL ASIA**
Great religious traditions of Asia: A historical survey. Introduction to Brahminism, Theravada Buddhism, Mahayana Buddhism, Confucianism, Taoism and Shintoism and their place in Asian social history.
- 162. COLONIAL MEXICO**
A history of Mexico from the Mayas and Aztecs to the end of the independence movement in the 19th century. Includes study of the economic, social and cultural developments.
- 163. MODERN MEXICO**
A history of the national period from the 1824 federal republic to the present. Special emphasis on those factors in the more recent past which have contributed most to modern Mexico.
- 164. THE INTER-AMERICAN COMMUNITY**
A history of the political, economic and social relations between the countries of the two Americas and their activities in regional and world organization.
- 165. ARGENTINA**
Political, social and economic developments in this leading country of South America from pre-Columbian times to the present, with special emphasis on its modern national development.
- 167. BRAZIL**
An analytical study of Brazil's past and present: the colonial era, the New World monarchies of Pedro I and II, the Republic. Emphasis on social and economic developments.
- 168. LATIN AMERICA: THE NINETEENTH CENTURY**
A topical development of Latin America from severance of colonial ties through the experiences of early nationhood: conservatism and liberalism, the caudillos and sectionalism, dictatorship and the oligarchies, nationalism and its consequences. Patterns of cultural growth and of foreign affairs.

- 169. CONTEMPORARY LATIN AMERICA**
A topical study of twentieth century political, economic and social life. The dynamics of traditional legacies and reform programs. Ideals and realities of interamerican relations. Cultural characteristics. Present trends and prospects.
- 170. THEMES IN COLONIAL AMERICA**
The development of religious, political, economic and social institutions in the North American colonies in the seventeenth and eighteenth centuries.
- 171. REVOLUTION, CONFEDERATION, CONSTITUTION**
An intensive study of the origins, progress, and culmination of the American Revolution. Historiographical themes of the Revolution will be emphasized.
- 172. THE REPUBLICAN EXPERIMENT**
A detailed examination into the establishment of an American political, social, cultural and economic identity from Washington through Madison.
- 173. NATIONALISM AND SECTIONALISM**
The social and political reforms and the economic changes between 1821 and the Compromise of 1850, with emphasis on intersectional rivalry.
- 174. THE UNION IN CRISIS**
A study of major aspects of the Civil War and the problems of reconstruction; the abolitionists, the rise of the Republican party; the conduct of the war; the role of the free Negro, constitutional readjustment; the rise of the new south.
- 177. DIPLOMATIC HISTORY OF THE UNITED STATES**
Critical study of the international relations of the United States, and of the economic, political, social and public opinion forces influencing the development of American policy.
- 180. AMERICAN IMMIGRATION**
American ethnic communities from the early nineteenth century to World War I. Problems of assimilation and acculturation. The ethnics and the churches; ethnics and politics. Examination of primary materials and analysis of conflicting interpretations of the immigrant experience.
- 181. THE RISE OF THE CITY**
An historical study of the growth and development of the American city and its impact on all aspects of American life.
- 182. BLACK RESPONSE TO MODERN AMERICA**
A study of the social and political institutions developed by the black community to deal with the discrimination of the dominant society since 1877.

- 183. SOCIAL MOVEMENTS IN TWENTIETH CENTURY AMERICA**
Popular movements for change, and against it. An investigation of the response of the American people to the problems of modern industrial society. Labor, women's rights, black activism, anti-radicalism, Ku Klux Klan, peace movement, and others.
- 189. CALIFORNIA**
The history of California, with major attention given to the period following its annexation to the United States.
- 190. HISTORIOGRAPHY**
A critical and historical study of the writings of great historians from antiquity to the present, relating them to the philosophical currents and social realities of their times; problems in contemporary historiography.
- 198. COLLOQUIUM**
Group meetings for reading, research, and discussion of selected historical problems and periods.
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|----------------------------|------------------------------|
| 198.01 England | 198.06 Latin America |
| 198.02 Early Modern Europe | 198.07 The United States |
| 198.03 Recent Europe | 198.08 California |
| 198.04 Russia | 198.09 Africa |
| 198.05 East Asia | 198.10 Revolution |
| | 198.11 Practicum |
| | 198.12 Ancient Mediterranean |
- 199. INDIVIDUAL STUDY**
Directed reading and research in source materials and secondary works dealing with selected historical problems.
- 210. SEMINAR IN ANCIENT HISTORY (5)**
- 220. SEMINAR IN MEDIEVAL HISTORY (5)**
- 230. SEMINAR IN EARLY MODERN EUROPE (5)**
- 240. SEMINAR IN MODERN EUROPEAN HISTORY (5)**
- 250. SEMINAR IN EAST ASIAN HISTORY (5)**
- 260. SEMINAR IN HISPANIC AMERICAN HISTORY (5)**
- 270. SEMINAR IN UNITED STATES HISTORY (5)**
- 280. SEMINAR IN NORTH AMERICAN HISTORY (5)**

290. SEMINAR IN AFRICAN HISTORY (5)

300. THESIS (5-10)

MATHEMATICS

101. A SURVEY OF GEOMETRY

Topics from projective, advanced Euclidean and non-Euclidean geometries.

102. ADVANCED CALCULUS I

Vector calculus, functions of several variables, elliptic integrals, line integrals, uniform convergence, introduction to Fourier series.

105. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE

Analytic functions, Cauchy integral theorems, power series, conformal mapping, Riemann surfaces. Prerequisite: 103.

111. ABSTRACT ALGEBRA I

Topics from theory of groups. Prerequisites: 52 and 53 or equivalents.

112. ABSTRACT ALGEBRA II

Rings and ideals, algebraic extensions of fields, Galois theory. Prerequisite: 111.

113. TOPOLOGY

Theory of sets, metric spaces, topological spaces, and transformations.

122. PROBABILITY AND STATISTICS I

Axioms and basic laws, independence, distributions, random variables, expectation.

123. PROBABILITY AND STATISTICS II

Statistical inference, point estimation, statistical hypotheses, analysis of variance.

133. LOGIC AND FOUNDATIONS

Deductive theories. Theories and models. Consistency, completeness, decidability. The theory of models. The cardinality of models. Some related topics of metamathematics and foundations.

134. SET THEORY

Naive set theory. Cardinal and ordinal arithmetic. The axiom of choice and the continuum hypothesis. Axiomatic set theory.

- 144. PARTIAL DIFFERENTIAL EQUATIONS**
Special topics in higher mathematics useful in applications to the physical sciences, such as special functions of mathematical physics. FOURIER series, partial differential equations and boundary value problems.
- 153. INTERMEDIATE ANALYSIS I**
A rigorous investigation of the real number system. Concepts of limit, continuity, differentiability of functions of one variable. Theorems of differential and integral calculus. Prerequisite: 103.
- 154. INTERMEDIATE ANALYSIS II**
Continuation of Math 153.
- 155. DIFFERENTIAL EQUATIONS**
Existence and nature of solutions; oscillation theory; orthogonal functions. Partial differential equations. Prerequisite: 102.
- 164. COMPUTER SCIENCE I**
Machine language programming and FORTRAN. Mathematical logic and logical design of a digital computer. Prerequisite: 102. NCX.
- 165. COMPUTER SCIENCE II**
Advanced programming, introductory simulation techniques, linear programming. Prerequisite: 164 or equivalent. NCX.
- 166. NUMERICAL ANALYSIS**
Interpolation formulas. Numerical differentiation and integration, numerical solution of algebraic, transcendental and differential equations. Prerequisite: 102.
- 168. DIFFERENTIAL GEOMETRY**
Introduction to curves and surfaces. Differential forms, Frenet formulas, frame fields, differentiation on surfaces. Prerequisite: 53 or equivalent.
- 172. PROBLEM SOLVING**
Use of induction, analogy and other techniques in solving mathematical problems.
- 175. THEORY OF NUMBERS**
Fundamental theorems of divisibility, primes, congruences. Number theoretic functions. Diophantine equations. Quadratic residues. Introduction to theory of binary quadratic forms.

- 176. COMBINATORIAL ANALYSIS**
Permutations and combinations, generating functions, recursion relations and a selection of topics from combinatorial geometry, graph enumeration, polya counting theorem.
- 179. MATRIX THEORY**
Linear transformation, matrices and determinants, quadratic forms, Cayley-Hamilton theorem.
- 270. ADVANCED TOPICS FOR SECONDARY SCHOOL TEACHERS I (5)**
Special topics in geometry, topology, combinatorial mathematics, algebra and number theory for secondary school teachers of mathematics.
- 271. ADVANCED TOPICS FOR SECONDARY SCHOOL TEACHERS II (5)**
Continuation of 270.
- 290. MASTER'S THESIS**
The goal of the M.S.T.M. thesis is to make an original written contribution in the field of mathematics teaching, a contribution that will be useful to a teacher. Thus, this thesis is not meant to be research-oriented as preparation for employment in industry or in the pursuit of a Ph.D. Neither is it to be merely a "busy-work" project completed only to satisfy tradition, but otherwise irrelevant. Instead, it is supposed to be a mathematical treatise (not an educational study) on some topic appropriate to the secondary curriculum, written with mathematical rigor and precision.
- 291. INDEPENDENT STUDY (1-5)**
For students in the M.S.T.M. program. May be taken more than once.



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Gerald E. McDonald, Ed.D.,
Professor of Education

Norman F. Martin, S.J., Ph.D.,
Professor of History

Victor B. Vari, Ph.D.,
Professor of Romance Languages

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Associate Professor of English

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Associate Professor of History

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Assistant Professor of Education



Faculty

GRADUATE SCHOOL OF HUMANITIES

GERALD L. ALEXANDERSON (1958)

Professor of Mathematics; Chairman, Department of Mathematics

B.A., 1955, University of Oregon; M.S., 1958, Stanford University.

LOUIS I. BANNAN, S.J. (1953)

Associate Professor of Education

B.A., 1937, M.A., 1938, Gonzaga University; S.T.L., 1944, Alma College.

KENNETH E. BLAKER (1965)

Associate Professor of Education; Chairman, Department of Education

B.A., 1958, M.Ed., 1960, University of Arizona; Ph.D., 1965, Southern Illinois University.

EDWIN J. BROWN (1951)

Professor of Education (Emeritus)

B.S., 1922, Kansas State Teachers College; A.M., 1925, Ph.D., 1928, Stanford University.

MICHAEL W. CHAMBERLAIN (1970)

Assistant Professor of Mathematics

B.A., 1965, Pomona College; M.S., 1966, Ph.D., 1971, Stanford University.

DONALD F. CROSBY, S.J. (1973)

Assistant Professor of History

B.A., 1956, University of San Francisco; M.A., 1962, Gonzaga University; S.T.M., 1969, Alma College; Ph.D., 1973, Brandeis University.

KAREL L. DE BOUVERE, S.C.J. (1965)

Professor of Mathematics

Nat. Phil. Cand., 1948, Math. et Phys. Drs., 1953, Dr. Math. et Phys. Sc., 1959, University of Amsterdam, The Netherlands.

JAMES P. DEGNAN (1963)

Professor of English

B.A., 1954, Memphis State University; M.A., 1956, University of Notre Dame.

DIANE E. DREHER (1974)

Assistant Professor of English

B.A., 1968, University of California, Riverside; M.A., 1970, Ph.D., 1973, University of California, Los Angeles.

FRANCIS X. DUGGAN (1962)

Professor of English

A.B., 1948, University of Notre Dame; M.A., 1950, Ph.D., 1960, University of Pennsylvania

EDWARD T. FLOOD (1966)

Associate Professor of History

A.B., 1958, Seattle University; Ph.D., 1967, University of Washington.

STEVEN M. GELBER (1969)

Assistant Professor of History

B.S., 1965, Cornell University; M.S., 1967, Ph.D., 1972, University of Wisconsin.

JOYCE A. GERARD (1974)

Acting Assistant Professor of Education

B.S., 1954, M.A., 1964, Western Michigan University.

JOHN H. GRAY, S.J. (1961)

Associate Professor of English; Dean, College of Humanities

A.B., 1948, Gonzaga University; A.M., 1952, Loyola University, Los Angeles; S.T.L., 1956, St. Albert's College, Louvain; Ph.D., 1961, University of London.

EDWARD D. GROSS (1964)

Assistant Professor of English

A.B., 1947, M.A., 1951, Ph.D., 1964, University of Pennsylvania.

WILLIAM R. JAMES (1963)

Associate Professor of Speech and Theatre Arts; Chairman, Department of Speech and Theatre Arts

B.A., 1953, University of Nevada; M.A., 1956, San Jose State College; Ph.D., 1969, University of Iowa.

LEONARD F. KLOSINSKI (1964)

Assistant Professor of Mathematics

B.S., 1961, University of Santa Clara; M.A., 1963, Oregon State University.

CHRISTIAAN T. LIEVESTRO (1969)

Associate Professor of English

A.B., 1950, State University of New York, Albany; MA., 1953, Ph.D., 1958, Harvard University.

DAVID E. LOGOTHETTI (1967)

Assistant Professor of Mathematics

A.B., 1957, M.A., 1962, Ph.D., 1972, University of California, Los Angeles.

NORMAN F. MARTIN, S.J. (1958)

Professor of History

A.B., 1941, A.M., 1942, Gonzaga University; S.T.L., 1948, Colegio Maximo de San Miguel, Buenos Aires; A.M., 1950, Mexico City College (University of the Americas); *Doctor en Letras*, 1957, National University of Mexico.

GERALD E. McDONALD (1962)

Professor of Education

A.B., 1947, Boston College; Ed.D., 1955, Stanford University.

MATTHIAS S. MEIER (1963)

Professor of History

B.A., 1948, University of Miami; M.A., 1949, University of the Americas, Mexico City; Ph.D., 1954, University of California, Berkeley.

MILES MERWIN (1970)

Assistant Professor of History

B.A., 1963, Rutgers—The State University; M.A., 1965, University of California, Berkeley; Ph.D., 1971, University of North Carolina

ISTVAN I. MOCSY (1970)

Assistant Professor of History

B.A., 1962, M.A., 1964, University of Arizona; Ph.D., 1973, University of California, Los Angeles.

ELIZABETH J. MORAN (1963)

Assistant Professor of English

A.B., 1942, Indiana University; M.A., 1963, San Jose State University.

TIMOTHY J. O'KEEFE (1965)

Associate Professor of History; Chairman, Department of History

A.B., 1961, Saint Mary's College, California; M.A., 1963, Ph.D., 1968, University of Notre Dame.

CHARLES T. PHIPPS, S.J. (1965)

Associate Professor of English; Director, Honors Program

A.B., 1952, Ph.L., 1953, Gonzaga University; M.S.T., 1960, Alma College; Ph.D., 1965, University of North Carolina.

PETER O. PIERSON (1966)

Assistant Professor of History

A.B., 1954, M.A., 1963, Ph.D., 1966, University of California, Los Angeles.

WILLIAM J. REWAK, S.J. (1970)

Assistant Professor of English

B.A., 1957, M.A., 1958, Gonzaga University; Ph.D., 1970, University of Minnesota.

THEODORE J. RYNES, S.J. (1970)

Assistant Professor of English

B.A., 1955, M.A., 1957, St. Louis University; Ph.D., 1974, University of California, Berkeley.

DAVID SKINNER (1970)

Assistant Professor of History

A.B., 1957, Whittier College; M.A., 1964, Ph.D., 1971, University of California, Berkeley.

MARY ANNE SMITH (1972)

Assistant Professor of Education

B.S., 1953, Iowa State University; M.S., 1960, Ph.D., 1971, University of Oregon.

JOSEPH L. SUBBIONDO (1969)

Lecturer in English

B.A., 1962, St. John's University; M.A., 1965, University of Southern California.

GEORGE J. SULLWOLD (1962)

Associate Professor of English

A.B., 1934, M.A., 1936, University of California, Los Angeles; Ph.D., 1958, University of Washington.

CHARLES D. SWENSON (1974)

Assistant Professor of Education

B.A., 1958, St. Olaf College; M.A., 1967, Oregon State University; Ph.D., 1969, Arizona State University.

FREDERICK P. TOLLINI, S.J. (1971)

Assistant Professor of English

B.A., 1958, Gonzaga University; M.A., 1966, University of Santa Clara; Ph.D., 1972, Yale University.

JAMES TORRENS, S.J. (1969)

Assistant Professor of English

A.B., 1954, Gonzaga University; S.T.L., 1962, St. Albert's College, Louvain; M.A., 1964, Ph.D., 1968, University of Michigan.

JO ANN VASQUEZ (1972)

Assistant Professor of Education

B.A., 1966, Immaculate Heart College, Los Angeles; M.A., 1970, Ph.D., 1973, Claremont Graduate School.

WILLIAM W. YABROFF (1968)

Associate Professor of Education

B.A., 1950, San Jose State University; B.D., 1953, Pacific School of Religion, Berkeley; M.A., 1961, Ph.D., 1963, Stanford University.

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INDEX

Accreditations	13	Loan Funds	7
Administrators, University	55	Leave of Absence	15
Graduate School of Humanities	56	Marking System	16
Admissions Information	14	Master of Arts in Counseling	
Teaching Credential	19	Psychology	28
Board of Trustees	55	Master of Arts in Education program	24
Calendar	4-5	English	24
Campus Map	10	History	25
Costs, Student	17	Reading	26
Counseling Psychology, Master		Special Education	25
of Arts in	28	Master of Arts in English program	32
Counseling Services	12	Master of Arts in History program	32
Credential, Teaching, Information	22	Master of Arts in Marriage, Family	
Degree Requirements, General	16	and Child Counseling	29
M.A. in Counseling Psychology	28	Master of Science in Teaching	
M.A. in Education	24	Mathematics	32
M.A. in English	24	Mathematics, Courses	52
M.A. in History	25	M.S. in Teaching Mathematics	
M.A. in Marriage, Family and		program	32
Child Counseling	29	Officers, University	55
M.S. in Teaching Mathematics	32	Graduate School of Humanities	56
Teacher Credential Program	19	Reading, Master of Arts in	
Education, Courses	34	Education program	26
Master of Arts program	24	Refunds, Tuition	17
M.S. in Teaching Mathematics	32	Rights Reserved	13
Teacher Credential Program	19	Special Education	25
English, Courses	42	Statement of Purpose, University	12
Master of Arts program	32	Graduate School of Humanities	12
Master of Arts in Education program	24	Summer Session	13
Entrance Requirements	14	Teacher Education Program	19
M.A. in Education	24	Transferral of Credit	15
M.A. in English	24	Trustees, Board of	55
M.A. in History	25	Tuition and Fees	17
M.S. in Teaching Mathematics	32	Veterans Assistance	18
Secondary Credential Program	19	Veterans' Dependents Assistance	18
Expenses, Student	17	Withdrawal	15
Faculty	57		
Faculty Affairs Board	62		
Faculty Grievance Committee	62		
Fees, Student	17		
Fellowships	17		
Financial Aid, Loans	17		
Scholarships and Fellowships	17		
Grading System	16		
History, Courses	46		
Master of Arts program	25		
Master of Arts in Education program	24		
History, University	7		
Housing	12		
Incompletes	15		





